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<110> BLUMENFELD, Marta  
BOUGUELERET, Lydie  
CHUMAKOV, Ilya

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<141> 2001-02-01

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acagaaaaac agtgataact gttttgctga gttcccagac ctttccaag atg gaa 176
Met Glu
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cca ata aca ttc aca gca agg aaa cat ctg ctt cct aac gag gtc tcg 224
Pro Ile Thr Phe Thr Ala Arg Lys His Leu Leu Pro Asn Glu Val Ser
5 10 15
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Val Asp Phe Gly Leu Gln Leu Val Gly Ser Leu Pro Val His Ser Leu
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Thr Thr Met Pro Met Leu Pro Trp Val Val Ala Glu Val Arg Arg Leu
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Ser Arg Gln Ser Thr Arg Lys Glu Pro Val Thr Lys Gln Val Arg Leu
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Cys Val Ser Pro Ser Gly Leu Arg Cys Glu Pro Glu Pro Gly Arg Ser
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Val Phe Lys Ala Asp Asp Gln Thr Lys Val Pro Glu Ile Ile Ser Ser

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Gly Phe Phe Ser Ser Phe Glu Glu Ser Asp Ile Glu Asn His Leu Ile				
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Ser Gly His Asn Ile Val Gln Pro Thr Asp Ile Glu Glu Asn Arg Thr				
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Met Leu Phe Thr Ile Gly Gln Ser Glu Val Tyr Leu Ile Ser Pro Asp				
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Phe Thr Val Ala Val Gln Gln Thr Ala Lys Ala Pro Ala Gln Leu				
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Cys Glu Gly Cys Pro Leu Gln Ser Leu His Lys Leu Cys Glu Arg Ile				
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Ser Lys Leu Lys Gln Ala Met Leu Thr Leu Glu Leu Glu Arg Ser Ala
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Leu Leu Gln Thr Val Glu Glu Leu Arg Arg Arg Ser Ala Glu Pro Ser
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gac cgg gag cct gag tgc acg cag ccc gag ccc acg ggc gac tga      3677
Asp Arg Glu Pro Glu Cys Thr Gln Pro Glu Pro Thr Gly Asp *
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1
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Glu Pro Ile Thr Phe Thr Ala Arg Lys His Leu Leu Pro Asn Glu Val
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Ser Val Asp Phe Gly Leu Gln Leu Val Gly Ser Leu Pro Val His Ser
20      25      30
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Ser	Gln	Gln	Trp	Asp	Pro	Leu	Ile	Tyr	Ser	Ser	Ile	Phe	Glu	Cys	Lys		
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Pro	Gln	Arg	Val	His	Lys	Leu	Ile	His	Asn	Ser	His	Asp	Pro	Ser	Tyr		
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Phe	Ala	Cys	Leu	Ile	Lys	Glu	Asp	Ala	Val	His	Arg	Gln	Ser	Ile	Cys		
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Tyr	Val	Phe	Lys	Ala	Asp	Asp	Gln	Thr	Lys	Val	Pro	Glu	Ile	Ile	Ser		
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tcc	atc	cgt	cag	gcg	ggg	aag	atc	gcc	cgg	cag	gag	gag	ctg	cac	tgc	658	
Ser	Ile	Arg	Gln	Ala	Gly	Lys	Ile	Ala	Arg	Gln	Glu	Glu	Leu	His	Cys		
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Pro	Ser	Glu	Phe	Asp	Asp	Thr	Phe	Ser	Lys	Lys	Phe	Glu	Val	Leu	Phe		
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tgc	ggc	cgc	gtg	acg	gtg	gcg	cac	aag	aag	gct	ccg	ccg	gcc	ctg	atc	754	
Cys	Gly	Arg	Val	Thr	Val	Ala	His	Lys	Lys	Ala	Pro	Pro	Ala	Leu	Ile		
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gac	gag	tgc	atc	gag	aag	ttc	aat	cac	gtc	agc	ggc	agc	cgg	ggg	tcc	802	
Asp	Glu	Cys	Ile	Glu	Lys	Phe	Asn	His	Val	Ser	Gly	Ser	Arg	Gly	Ser		
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Glu	Pro	Val	Arg	Arg	Pro	Met	Arg	Lys	Ser	Phe	Ser	Gln	Pro	Gly	Leu		
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Arg	Ser	Leu	Ala	Phe	Arg	Lys	Glu	Leu	Gln	Asp	Gly	Gly	Leu	Arg	Ser		
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Ser	Gly	Phe	Phe	Ser	Ser	Phe	Glu	Glu	Ser	Asp	Ile	Glu	Asn	His	Leu		
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Ile	Ser	Gly	His	Asn	Ile	Val	Gln	Pro	Thr	Asp	Ile	Glu	Glu	Asn	Arg		
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act	atg	ctc	ttc	acg	att	ggc	cag	tct	gaa	gtt	tac	ctc	atc	agt	cct	1090	
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gac	acc	aaa	aaa	ata	gca	ttg	gag	aaa	aat	ttt	aag	gag	ata	tcc	ttt	1138	
Asp	Thr	Lys	Lys	Ile	Ala	Leu	Glu	Lys	Asn	Phe	Lys	Glu	Ile	Ser	Phe		
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Cys	Ser	Gln	Gly	Ile	Arg	His	Val	Asp	His	Phe	Gly	Phe	Ile	Cys	Arg		
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Cys Thr Asn Glu Ala Leu Val Asp Glu Ile Met Met Thr Leu Lys Gln			
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gcc ttc acg gtg gcc gca gtg cag cag aca gct aag gcg cca gcc cag			1330
Ala Phe Thr Val Ala Val Gln Gln Thr Ala Lys Ala Pro Ala Gln			
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ctg tgt gag ggc tgc ccc ctg caa agc ctg cac aag ctc tgt gag agg			1378
Leu Cys Glu Gly Cys Pro Leu Gln Ser Leu His Lys Leu Cys Glu Arg			
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Ile Glu Gly Met Asn Ser Ser Lys Thr Lys Leu Glu Leu Gln Lys His			
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ctg acg aca tta acc aat cag gag cag gcg act att ttt gaa gag gtt			1474
Leu Thr Thr Leu Thr Asn Gln Glu Gln Ala Thr Ile Phe Glu Glu Val			
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Gln Lys Leu Arg Pro Arg Asn Glu Gln Arg Glu Asn Glu Leu Ile Ile			
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 Lys Pro Gln Arg Val His Lys Leu Ile His Asn Ser His Asp Pro Ser  
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Lys Leu Leu Gly Ser Ser Glu Asp Leu Ser Ser Asp Ser Glu Ser His		
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Met Glu Lys Glu Asn Gln Lys Leu Gln Ala Ser Glu Asn Asp Leu Leu		
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Val Pro Arg His His Arg Gly Glu Ile Trp Lys Phe Leu Ala Glu Gln		
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Pro Tyr Lys Glu Leu Leu Lys Gln Leu Thr Ser Gln Gln His Ala Ile		
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Ala Gly Ile Leu Leu His Met Ser Glu Glu Glu Ala Phe Lys Met		
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Leu Lys Phe Leu Met Phe Asp Met Gly Leu Arg Lys Gln Tyr Arg Pro		
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Asp Met Ile Ile Leu Gln Ile Gln Met Tyr Gln Leu Ser Arg Leu Leu		
930	935	940
His Asp Tyr His Arg Asp Leu Tyr Asn His Leu Glu Glu His Glu Ile		
945	950	955
Gly Pro Ser Leu Tyr Ala Ala Pro Trp Phe Leu Thr Met Phe Ala Ser		
965	970	975
Gln Phe Pro Leu Gly Phe Val Ala Arg Val Phe Asp Met Ile Phe Leu		

	980		985		990
Gln Gly Thr	Glu Val Ile Phe Lys Val Ala Leu Ser	Leu Leu Gly Ser			
	995		1000		1005
His Lys Pro	Leu Ile Leu Gln His Glu Asn Leu Glu Thr Ile Val Asp				
	1010		1015		1020
Phe Ile Lys Ser Thr	Leu Pro Asn Leu Gly Leu Val Gln Met Glu Lys				
1025		1030		1035	1040
Thr Ile Asn Gln Val Phe Glu Met Asp Ile Ala Lys Gln Leu Gln Ala					
	1045		1050		1055
Tyr Glu Val Glu Tyr His Val Leu Gln Glu Glu Leu Ile Asp Ser Ser					
	1060		1065		1070
Pro Leu Ser Asp Asn Gln Arg Met Asp Lys Leu Glu Lys Thr Asn Ser					
	1075		1080		1085
Ser Leu Arg Lys Gln Asn Leu Asp Leu Leu Glu Gln Leu Gln Val Ala					
	1090		1095		1100
Asn Gly Arg Ile Gln Ser Leu Glu Ala Thr Ile Glu Lys Leu Leu Ser					
1105		1110		1115	1120
Ser Glu Ser Lys Leu Lys Gln Ala Met Leu Thr Leu Glu Leu Glu Arg					
	1125		1130		1135
Ser Ala Leu Leu Gln Thr Val Glu Glu Leu Arg Arg Arg Ser Ala Glu					
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Pro Ser Asp Arg Glu Pro Glu Cys Thr Gln Pro Glu Pro Thr Gly Asp					
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